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## Memorandum

**From:** Steve Willis  
**To:** Wayne Miller  
**Date:** December 4, 2016  
**Subject:** Site visit to observe well drilling activities at Former Williams AFB Site ST012.

Wayne:

This memo summarizes my visit to Site ST012 on Friday December 2 and follow-up correspondence with AMEC field personnel.

Drilling of nested well UWBZ37/LSZ53 began on Thursday afternoon. When I arrived at the site on Friday, the boring had been drilled to 170-ft. According to Kyle Keegan groundwater appeared to be encountered at about 136-ft, which is 5 to 10-ft. higher than the reported first water in the previous borings. I couldn't confirm that observation by looking at the cuttings, which had been drying out for a couple hours. I observed the next 16-ft. of cuttings from the boring. None of the cuttings to that depth exhibited any indication of hydrocarbon impact. PID readings were generally less than 5 ppm. The cuttings at 168 to 170-ft. were noticeably hotter than those above or below that zone.

The boring was completed to a depth of 230-ft. on Saturday morning, and well construction was completed Saturday afternoon.

Drilling of well LSZ60, which is located south of the large water tanks south of the site, was to start on Sunday morning. This is a step-out from well LSZ47.

Please contact me if you have comments or questions regarding this memo.

Thank you,

A handwritten signature in black ink that reads 'Steve Willis'.